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## **627 TRAFFIC SIGNAL ACTIVATION GUIDELINES**

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### General Comments

Activating a new traffic signal requires a considerable amount of coordination between Regional Signal and Lighting personnel, Traffic Operations Section personnel, and the Contractor. A safe working environment is the responsibility of all parties.

*The Arizona Department of Transportation Standard Specifications for Road and Bridge Construction* shall be adhered to for all work.

### Crew Safety Issues

When any crew is working near moving traffic, special precautions must be taken to ensure its safety. Too often, workers are intent on the job they are doing and neglect the dangers associated. All crew members must wear ADOT approved personal protective equipment including vests and hard hats.

### Traffic Control

Temporary traffic control is an important part of activating a new traffic signal. The type of traffic controls used depends on the length of time the work will take and where the work will be conducted in relation to roadway and traffic characteristics. Regional Signal and Lighting personnel are responsible for ensuring proper traffic control during new signal activation, which may include the use of police officers and flaggers.

### Equipment Placement

While work is being done on new signal activation, all vehicles and equipment associated with the work should be stored away from the traveled way, as much as possible. If possible, the vehicles should be parked off the shoulder, or in an urban area, they should be in the parking lane or over the curb if no parking lane is provided.

### Traffic Operations Section personnel will:

Ensure traffic signal cabinets and related hardware are properly configured and functional prior to delivery.

Provide Regional Signal and Lighting personnel with detection equipment upon request.

Supervise activities during new signal activation.

Complete an Intersection Activation Checklist (see attachment).

Bring traffic signal controller, conflict monitor, and other necessary hardware for signal activation.

Regional Signal and Lighting personnel will:

Ensure that all field wires are terminated in the controller cabinet.

Ensure the proper operation of all field devices prior to the arrival of Traffic Operations Section personnel.

Ensure that appropriate traffic control is in place the day of a scheduled turn on.

Ensure all pavement markings including stop bars are installed prior to the day of turning on a signal. Temporary pavement markings are acceptable when pavement work is being done. The Resident Engineer or Regional Traffic Engineer may make exceptions to this guideline.

Notify Traffic Operations Section personnel 10 working days prior to signal activation.

Miscellaneous Provisions

Regional Signal and Lighting personnel require one to two working days after a contractor completes work and prior to arrival of Traffic Operations Section personnel for signal activation.

Regional Signal and Lighting personnel and Traffic Operations Section personnel will work in a cooperative manner.

ARIZONA DEPT OF TRANSPORTATION

INTERSECTION ACTIVATION CHECKLIST

LOCATION: \_\_\_\_\_ CITY: \_\_\_\_\_

MAINT. UNIT # \_\_\_\_\_

OK	NO	N/A	REMARKS
CABINET DEVICES			
CONTROLLER / TIMING			
PRINTS			
CONFLICT PROGRAM			
DETECTION/AMPLIFIERS			
PRE-EMPTION			
PHOTO CELL / LIGHTING			
FIELD DEVICES			
VEHICLE SIGNAL FACES			
PEDESTRIAN SIGNAL FACES			
PUSH BUTTON STATIONS			
LUMINAIRES			
LOOPS			
SIGNING/STRIPING			
CLEARANCE INTERVAL SHEET			
TIMES OF ACTIVATION: FLASH _____ OFF _____ FLASH _____ AUTO _____			
Additional Remarks:			

POST ACTIVATION DETAILS (Check appropriate box when completed):

- A) STATUS REPORT -->
- B) PROJECT LOG ----->
- C) CABINET LOG ----->
- D) TIMING CARD ----->
- E) RED LINES ----->


DATE : \_\_\_\_\_

BY: \_\_\_\_\_

technician